

Product Data Sheet

Product Name: Isocorydine

Cat. No.: GC38414

Chemical Properties

Cas. No. 475-67-2

SMILES COC1=C2C3=C(C=C1OC)CCN(C)[C@@]3([H])CC4=CC=C(OC)C(O)=C24

Formula $C_{20}H_{23}NO_4$

M.Wt 341.4

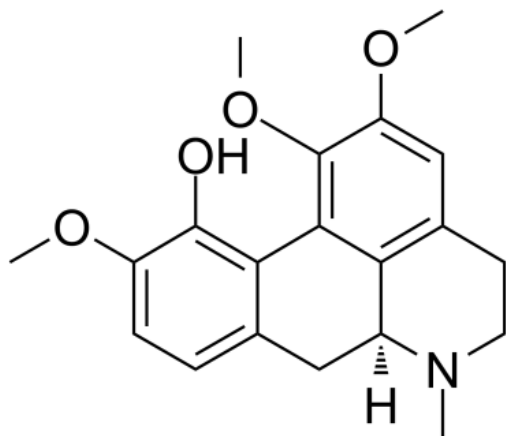
Solubility Chloroform: 10 mg/ml

Storage 4°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Caution: Product has not been fully validated for medical applications. For research use only.

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Isocorydine is isolated from *Dicranostigma leptopodium* (Maxim.) Fedde (DLF). Isocorydine combines with Doxorubicin (DOX) has a promising potential to eradicate hepatocellular carcinoma (HCC)[1].

Isocorydine (0-400 ug/ml; 48 hours) show a significant decrease in the IC50 for ICD and DOX, the CI values are 0.605, 0.644, 0.804, and 0.707 respectively for Huh-7, Hep-G2, SNU-449 and SNU-387[1]. Isocorydine (0-400 ug/ml; 48 hours) abrogates DOX-induced upregulation of mesenchymal markers and the downregulation of epithelial markers in human HCC cell lines[1]. Cell Viability Assay[1] Cell Line: Huh-7, Hep-G2, SNU-387, SNU-449 cells

Isocorydine (intraperitoneal injection; 0.4 mg/kg; every 2 days for 2 weeks) retards the tumor growth, but the combined treatment of Doxorubicin (DOX) or ICD significantly inhibits tumor growth[1]. Animal Model: Female nude mice[1]

[1]. Pan JX, et al. Isocorydine suppresses doxorubicin-induced epithelial-mesenchymal transition via inhibition of ERK signaling pathways in hepatocellular carcinoma. *Am J Cancer Res.* 2018 Jan 1;8(1):154-164. eCollection 2018.

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